

Receiving Report

Date: 9/9/14
 Supplier: MARMA

Batch No: 0112652
 Dart P/O: 10296

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ☒ 09/09/14 N/A ☒
 Work Order 09/09/14 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M60617	6T0.500 W.058	500	504	0	4	
M606170	700 W.058	100	0	0	8	

Initials of receiver (if shipment OK) Level 12

Production/Admin: 09/09/14
 Date: 09/09/14
 Received/Costing: RCR 10296
 Initial: CR

Location _____

Marmon / Keystone Canada Inc.



Specialty Steels

290 Chemin du Tremblay Boucherville

RECEIVED
SEP 15 2009

514 527 9153 FAX (450) 641 4357

INVOICE
FACTURE
409494

INVOICE DATE
DATE DE FACTURE

9/10/09

PAGE 1

SOLD TO: VENDU À:
DART AEROSPACE LTD
1270 ABERDEEN STREET

SHIPPED TO: EXPÉDIER À:
DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY

ON CAN K6A 1K7

HAWKESBURY

ON CAN K6A 1K7

SHIP VIA / EXPÉDIE PAR EPIC		F.O.B. / F.A.B. BOUCHERVILLE		G.S.T. / T.P.S. R137204947 Q.S.T. / T.V.Q. 1016343044 TQ0001 LE	
YOUR ORDER NO. / VOTRE N° DE COMMANDE 10296		SALESMAN / VENDEUR GHI		MARMON / KEYSTONE # 14470	
ORDERED / COMMANDÉE		DESCRIPTION		SHIPPED / EXPÉDIEE QUANTITY / QUANTITE	UNIT PRICE / PRIX UNITAIRE AMOUNT / MONTANT
204 FT	ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .375 .035 D6061		204 FT 9 LBS 17 Pieces	1.850 /FT	377.40
	Cust. part#: M6061T60.375W.035				
72 FT	ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .750 .058 D6061		72 FT 11 LBS 6 Pieces	3.250 /FT	234.00
	Cust. part#: M6061T6T0.750W.058				
348 FT	ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .500 .058 D6061		348 FT 33 LBS 29 Pieces	2.480 /FT	863.04
	Cust. part#: M6061T6T0.500W.058				
300 FT	STAINLESS STEEL SEAMLESS TUBE ANNEALED AND PICKLED A213/SA213 A.W. 304L SMLS TUBE 3/4 X .049 SA213 A.W. A&P SIS .750 .049 F304L		300 FT 110 LBS 15 Pieces	2.250 /FT	675.00
	Cust. part#: M304TR0.750W.049				
36 FT	ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .750 .058 D6061		36 FT 5 LBS 3 Pieces	3.250 /FT	117.00

TERMS: NET 30 DAYS
PLUS 2% PER MONTH ON
ALL OVERDUE ACCOUNTS.

TERMES: NET 30 JOURS
PLUS 2% PAR MOIS
SUR COMPTE PASSÉ DÙ.

FOR CONDITIONS OF SALE REFER TO BACK OF INVOICE.
POUR LES CONDITIONS DE VENTE, VOUS TROUVEREZ LES
RENSEIGNEMENTS À L'ENDOS DE LA FACTURE ORIGINALE.

G.S.T.
T.P.S.

PROVINCIAL TAX
TAXE PROVINCIALE

PAYMENT OF THIS INVOICE IS DUE BY
LE RÉGLEMENT DE CETTE FACTURE EST EXIGIBLE AU PLUS TARD LE

Marmon / Keystone Canada Inc.



Specialty Steels

290 Chemin du Tremblay Boucherville QU CAN J4B 5X9 TEL (514) 527 9153 FAX (450) 641 4357

INVOICE
FACTURE
409494

INVOICE DATE
DATE DE FACTURE

9/10/09

PAGE.: 2

SOLD TO: VENDU À:
DART AEROSPACE LTD
1270 ABERDEEN STREET

SHIPPED TO: EXPÉDIER À:
DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY

ON CAN K6A 1K7

HAWKESBURY

ON CAN K6A 1K7

SHIP VIA / EXPÉDIÉ PAR EPIC		F.O.B. / F.A.B. BOUCHERVILLE		G.S.T. / T.P.S. R137204947 Q.S.T. / T.V.Q. 1016343044 TQ0001 LE	
YOUR ORDER NO. / VOTRE N° DE COMMANDE 10296	SALESMAN / VENDEUR GHI		MARMON / KEYSTONE # 14470	PROVINCIAL TAX NO. 6122-5207	N° TAXE PROVINCIALE

ORDERED / COMMANDEE	DESCRIPTION	SHIPPED / EXPÉDIÉE QUANTITY / QUANTITÉ	UNIT PRICE / PRIX UNITAIRE	AMOUNT / MONTANT
156 FT	Cust. part#: M6061T6T0.750W.058 ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .500 .058 D6061 Cust. part#: M6061T6T0.500W.058	156 FT 15 LBS 13 Pieces	2.480 /FT	386.88
	Energy Surcharge			12.20

ORIGINAL INVOICE / FACTURE ORIGINALE

TERMS: NET 30 DAYS
PLUS 2% PER MONTH ON
ALL OVERDUE ACCOUNTS.

TERMES: NET 30 JOURS
PLUS 2% PAR MOIS
SUR COMPTE PASSÉ DÙ.

FOR CONDITIONS OF SALE REFER TO BACK OF INVOICE.
POUR LES CONDITIONS DE VENTE, VOUS TROUVEREZ LES
RENSEIGNEMENTS À L'ENDOS DE LA FACTURE ORIGINALE.

G.S.T. /HST T.P.S.	133.28
PROVINCIAL TAX TAXE PROVINCIALE	.00

10/12/2009

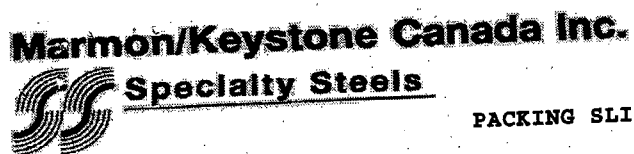
2.798.80

**PAYMENT OF THIS INVOICE IS DUE BY
LE RÈGLEMENT DE CETTE FACTURE EST EXIGIBLE AU PLUS TARD LE**

All amounts are calculated in domestic currency.

All Vendors PO ID PO10296 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-MAR001	Marmon/Keystone Canada Ltd.								
PO10296	1		M304TR0.750W.049 f		9/02/09	9/14/09	300.0000	\$2.25	0.0000	0	OK \$675.00 (2)
CAD	No		304 RD Tube .750 x .049W		300.0000	LAVO01		\$675.00	0.0000	0	
			112652								
	2		M6061T6T0.375W.0 f		9/02/09	9/14/09	204.0000	\$1.85	0.0000	0	OK \$377.40 (3)
			35								
	No		6061-T6 RD Tube f		204.0000	LAVO01		\$377.40	0.0000	0	
			.375 x.035W								
			112652								
	3		M6061T6T0.500W.0 f		9/02/09	9/14/09	504.0000	\$2.48	0.0000	0	OK \$1,249.92 (1)
			58								
	No		6061-T6 RD Tube f		500.0000	LAVO01		\$1,249.92	0.0000	0	
			.500 x.058W								
			112652								
	4		M6061T6T0.750W.0 f		9/02/09	9/14/09	108.0000	\$3.25	0.0000	0	OK \$351.00 (4)
			58								
	No		6061-T6 RD Tube f		100.0000	LAVO01		\$351.00	0.0000	0	
			.750 x.058W								
			112652								
Total Received Quantity:										1,116.0000	
Total Qty to Inspect (PO U/M):										0.0000	
Total Reject Quantity:										0.0000	
Total Receipt Value:										\$2,653.32	
Total Balance Due Quantity:										0.0000	



290 Chemin du Tremblay
Boucherville QU CAN J4B 5X9
TEL. 514/527-9153
FAX. 450/641-4357

PAGE... 1
Order : 14470
Date... 09/10/2009

PACKING SLIP

SOLD TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY ON CAN K6A 1K7

SHIPPED TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY ON CAN K6A 1K7

SHIP VIA		F.O.B.	SALESPERSON	YOUR ORDER NO.	
EPIC		BOUCHERVILLE	G. Dulude	10296	
Ordered	Description	Number Pieces	Quantity Shipped	Back Ordered	
01	204 /FT Fax all papers to Linda Lacelle 613-632-1053 Mill tests required with all shipment ALUMINUM SMLS TUBE ATS .375 .035 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.375W.035 HT#.....: 521252 Total...	17 17	204/FT 204/FT	IN	
02	72 /FT ALUMINUM SMLS TUBE ATS .750 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T6T0.750W.058 HT#.....: D924 Total...	6 6	72/FT 72/FT	IN	
03	348 /FT ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T6T0.500W.058 HT#.....: D925 Total...	29 29	348/FT 348/FT	IN	
04	300 /FT STAINLESS STEEL SEAMLESS TUBE 304L SMLS TUBE 3/4 X .049 SA213 A.W. A&P STS .750 .049 F304L Tariff Number: 7304. Cust. part#: M304TR0.750W.049 HT#.....: 772-3850 Total...	15 15	300/FT 300/FT	IN	
05	36 /FT ALUMINUM SMLS TUBE ATS .750 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T6T0.750W.058 HT#.....: 175-48777 Total...	3 3	36/FT 36/FT	IN	
06	156 /FT ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T6T0.500W.058 HT#.....: F00003727 Total...	13 13	156/FT 156/FT	IN	

No. of Bdls/Pieces

2 / 0

Total Weight.....:

183

Customers..

PO 9/19/11

DART
aerospaceDart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053**PURCHASE ORDER**

Purchase Order ID PO10296

Purchase Order Date 8/28/09
PO Print Date 8/28/09

Page Number 1 of 2

Order From :

VC-MAR001

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA**FAKED**

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

800 361 8142

450 641 4357

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

Chantal Lavoie

10127-2607

Net 30

CAD

-FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304TR0.750W.049	304 RD Tube .750 x .049W	9/02/09 Yes	✓ 300.00 f <i>NEC 378</i>	Epic collect	\$2.2500	\$675.00
Special Inst:			MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING SPEC'S: ASTM A213 OR ASME SA213 OR ASTM A269				
2	M6061T6T0.375W.035	6061-T6 RD Tube .375 x.035W	9/02/09 Yes	✓ 204.00 f	Epic collect	\$1.8500	\$377.40
Special Inst:			MATERIAL: 6061-T6 OR 6061-T62 TUBING PER: WW/T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-220/8 OR QQ-A- 225/8 PLEASE SHIP BACK ORDER WHEN READY <i>NEC 378 + 156 = 504</i>				
3	M6061T6T0.500W.058	6061-T6 RD Tube .500 x.058W	9/02/09 Yes	500.00 f	Epic collect	\$2.4800	\$1,240.00

112652

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr:

1

Change Date: 8/28/09



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10296

Purchase Order Date 8/28/09

PO Print Date 8/28/09

Page Number 2 of 2

Order From :

VC-MAR001

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA

Contact Name

Vendor Phone

800 361 8142

Vendor Fax

450 641 4357

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

4	M6061T6T0.750W.058	6061-T6 RD Tube .750 x.058W	9/02/09	100.00	Epic collect	\$3.2500	\$325.00
			Yes		f Nic 108		

8/29/09

PO Total:

\$2,617.40

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 8/28/09

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required when applicable

検査成績表

(MILL CERTIFICATE)

需要家:

(CUSTOMER) MARMON/KEYSTONE CANADA

注文者: 三京物産株式会社

(SUPPLIER) (SANKYO&CO., LTD.)

品名:

(COMMODITY) SEAMLESS STAINLESS STEEL COLD DRAWN TUBE

ASTM/ASME A269/A213/SA213 (A.W.) TP304/304L

三京不銹鋼管(沈陽)有限公司

SANKYO STAINLESS TUBE(SHEN YANG) CO., LTD.

中国・瀋陽市蘇家屯区玫瑰街115号

(NO.115 MEIGUI STREET, SUJIATUN DISTRICT, SHENYANG, P.R. CHINA)

発行日: 2009/03/02

(DATE OF ISSUE)

証明書番号: 09-0178

(CERTIFICATE NO.)

需要家管理番号: P.O.# MN 6115

(CUSTOMER ORDER NO.)

契約番号: S91CA40-B

(CONTRACT NO.)

寸法: 0.750" OD x 0.049" WT x 20' LG

(SIZE)

CASE NO.: 05

CONTRACT NO.				(SIZE)			引張試験 (Tension Test)			硬さ試験 (Hardness Test) HRB	結晶粒度 (Grain Size)	へん平試験 (Flattening)	GOOD	
製作番号 (Mfg. No.) (三京)	ロット番号 (Lot No.)	製造番号 (Mfg. No.) (KST)	製鋼番号 (Heat No.) (KST)	本数 (No. of Pcs.)	重量 (Mass) kg	延長 (Total Length) m	0.2%耐力 (0.2% Y.S.) MPa	引張り強さ (T.S.) MPa	伸び (E) (%)					
(SANKIYO)	指定単位 (Unit Designated)			本 (Pcs.)	kg	m	MPa	MPa	(%)			押し広げ試験 (Flaring)	GOOD	
	規格 (Specification)			最小 (Min)			170	485	35					
09-02-008	01		772-3850	42	141		285	595	59.4	68.5		外観寸法試験 (Measurement of surface)	GOOD	
09-02-008	03		872-2783	7	24		280	590	60.4	69.2		渦流探傷試験 (Eddy Current)	GOOD	
S/only 02/05/14												検眼試験 (Microscopic)	—	
												硫酸銅腐蝕試験 (Intergranular Corrosion Test) ASTM A262 PRACTICE E		GOOD
												備考 (Remarks)		SOLUTION HEAT TREATMENT: 1100°C x 2.45Min/W.Q EN-10204-3.1 NACE MR-0175
化学成分表 (Chemical Composition) %														
製鋼番号 (Heat No.)	C x 100	Si x 100	Mn x 100	P x 1000	S x 1000	Ni x 100	Cr x 100	Mo x 100						
最小 (Min)						800	1800							
最大 (Max)	3.5	100	200	45	30	1200	2000							
872-2783	2.0	38	143	33	12	814	1815							
772-3850	3.0	43	139	31	6	804	1848							

上記注文品は、御指定の規格又は仕様に従って製造されその要求事項を満足していることを証明します。
(IT IS HEREWITH CERTIFIED THAT THE ABOVE MATERIALS ARE SATISFACTORY IN COMPLIANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONTRACT.)

総工場長
(MANAGER OF QUALITY SYSTEM SECTION)

Q.C. Reviewed
2304/30/09

S.T.S. - 750 - 049 -

-E304L * 1/2-3850 * 1002453 * MN6115 * 6/30/2009

Control No: 108230



Precision Tube Company

A Mueller Industries Company

287 Wissahickon Avenue

North Wales, Pennsylvania 19454

Phone: (215) 699-5801 - Fax: (215) 699-0761

CERTIFICATION AND TEST REPORTS

CUSTOMER		ITEM		ITEM NO.	
9068 ITEM 4-5		328563		24A037500350030	
SOLD TO		PRUDENTIAL STAINLESS PIPE L. 130 ESSEX AVENUE EAST AVENEL, NJ 07001		SHIP TO PRUDENTIAL STAINLESS PIPE L. 130 ESSEX AVENUE EAST AVENEL, NJ 07001	

QUANTITY		QUALITY	
5,004 FT	METAL - 6061 ALUM TEMPER - T6 SPEC - AMS-WW-T-700/6A ASTM-B-210-04 LENGTH - 12 FT LGTH TOL +.1250 IN -.0000 IN SHAPE - ROUND FINISH - STRAIGHT EXACT LENGTHS OD .3750 +.0030 -.0030 ID WALL .0350 +.0020 -.0020	4,872 FT	04/17/09 <i>S. Orlosky</i>

SAMPLE #	TENSILE STRENGTH (P.S.I.)	YIELD STRENGTH (P.S.I.)	ELONGATION IN 2 INCHES (%)	ROCKWELL HARDNESS	AVERAGE GRAIN SIZE (MM.)
1	46,829	39,916	15		

EXPANSION TEST:
MERCURIUS NITRATE TEST:
MICRO EXAMINATION:

FLATTENING TEST:
FLARE TEST:

NONDESTRUCTIVE TESTS	
EDDY CURRENT TEST: PASS	
HYDROSTATIC PRESSURE TEST:	
ULTRASONIC TEST:	

ALLOY: 6061											HEAT:											TRACEABILITY #: 521252																																																																																																		
MIN.											MAX.											RAW MATL VEND: PTT4529 - KAISER ALUMINUM																																																																																																		
Si											Fe											Cu											Mn											Mg											Cr											Zn											Ti											Other - Elements Al																																
0.40																						0.15																						0.80											0.04																																	Each											Tot.											Rem.										
0.80											0.70											0.40											0.15											1.20											0.35											0.25											0.15											0.05											0.15																					

We hereby certify that the foregoing results are correct, that the material complies with the requirements of the above specifications and purchase order and that the test reports represent the actual attributes of the items furnished on this order. During the manufacturing, testing and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employed a single boundary containment.

BY: Art Onaitis

04/17/09

KIMA ISO 9001:2000		Świadectwo odbioru 3.1 / Inspection certificate 3.1 060009045/08/ZT PN-EN 10204:2006											
nr kontraktu i zamówienia klienta Order No and date		Zlecenie sprzedaży Sales order		Zlecenie produkcyjne Production order		Nr awiza Advice No							
PO13254		065001108/20		060009045									
Przedmiot i wykonanie Item and specification		Wymiary lub rysunek Dimensions or drawing		Gatunek stopu Alloy grade		Wytap Heat							
Drawn tube ASTM B 210 AMS-WW-T-700/8		OD: 0.5000" WALL: 0.0680" L: 144"		6061 AlMg1SiCu		D925							
				kg		Sztuk Pieces							
				232		448							
						T8 09/08/14							
Kontrolę techniczną powyższego zamówienia przeprowadził SWW-LFC Laboratorium. Wyniki badań podano niżej. Technical inspection of above mentioned lot has been carried out by the SWW-LFC Laboratory. Inspection results are stated below.													
1. SKŁAD CHEMICZNY - CHEMICAL COMPOSITION													
Gatunek stopu Alloy grade	Wytap Heat	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti				
6061	D925	0,76	0,18	0,35	0,05	1,07	0,33	0,06	0,02				
2. WŁASNOŚCI MECHANICZNE - MECHANICAL PROPERTIES													
Nr próby Sample no.	Stan dostawy Temper	Yield [KSI] [ksi/in ²]	Tenille [KSI] [ksi/in ²]	A %	A _{50mm} %	Twardość Hardness HB	Inne badania Other tests						
88	T8	41,6	47,6		16,2								
3. BADANIA METALOGRAFICZNE - METALLOGRAPHIC TESTS													
Nr próby Sample no.	Struktura Structure												
Powierzchnię i wymiar zbadano Surface and dimensions were checked		ANSI H 35-2				Materiał oznaczono Material was marked							
Na podstawie wyżej przeprowadzonych prób materiał zwolniono. According to above mentioned tests, the material has been approved.													
Kontrola Jakości Quality Inspection Unit								Data Date					
1 K		Kierownik Laboratory Data Technology						08 10 2008					

%%[SEND]

ATS . 500 . 058 D6061

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT
<http://www.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: 60-38934		CUSTOMER PART NUMBER: AT/5.058/734		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: 202448	LINE ITEM: 002	SHIP DATE: 09/17/2008	KAISER LOT NUMBER: F00003727	ALLOY: 6061	TEMPER: T6
WEIGHT SHIPPED: 678.000 LB	QUANTITY: 594.000 PCS	B/L NUMBER: 201533	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA			SOLD TO: MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON&IACS	BEND
F00003727	0001	1	43.8	40.2	14.0	N/A	N/A	N/A
F00003727	0002	1	47.7	43.6	16.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
R6588	.58	.22	.23	.07	1.02	.08	.02	.02	.00	.00	.00	.01	.01

Applicable Requirements:

Description: OD: 0.500"; Wall: 0.058"; Round @
AMS-4082P ASTM-B210-04 WW-T-700/6F
WE TAKE EXCEPTION TO PARA. 24.3, Per ASTM B 210-04, WAS NOT
OILED. THE FOLLOWING SPECIFICATION HAVE BEEN MADE INACTIVE OR
CANCELLED: MIL-T-7081, WW-T-700F/GEN, WW-T-700/2E, WW-T-700/3F,
WW-T-700/4F, WW-T-700/5E, WW-T-700/6F, WW-T-700/7B.
COMPLIES TO DIN EN 10204 JAN 2005

MARMON / KEYSTONE	Q.C. REVIEWED	INITIAL
	DATE	07/04/08

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Wilfredo A. delaCruz, Sr. Metallurgical Engineer

Plant Serial: 00003035

Wilfredo A. delaCruz

Page 1 of 2

Kaiser Order Number: 202448
Line Item: 002

Q.C. REVIEWED

AT .5.058 734

**KAISER
ALUMINUM
FABRICATED PRODUCTS**

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

*Best in
Class*

CERTIFIED TEST REPORT

<http://www.KaiserAluminum.com>

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Wilfredo A. delaCruz, Sr. Metallurgical Engineer

Wilfredo A. delaCruz

Plant Serial: 00003035

Kaiser Order Number: 202448

Line Item: 002

KEMAK ISO 9001:2000		Świadectwo odbioru 3.1 / Inspection certificate 3.1		060009046/09JZT PN-EN 10204:2006								
Nr kontraktu i zamówienia klienta Order No and date		Zlecenie sprzedaży Sales order		Zlecenie produkcyjne Production order								
PO13254		065001108/40		060009046								
Przedmiot i wykonanie Item and specification		Wymiary lub rysunek Dimensions or drawing		Gatunek stopu Alloy grade								
Drawn tube ASTM B 210 AMS-WW-T-700/6		OD: 0.7500" WALL: 0.0580" L: 144"		6061 AlMg1SiCu								
				Wytłop Heat								
				D824								
				kg								
				148								
				Szkłk Pieces								
				447								
				Stan dostawy Temper								
				T8								
Kontrolę techniczną powyższego zamówienia przeprowadził SWW-LFC Laboratorium. Wynik badań podano niżej. Technical inspection of above mentioned lot has been carried out by the SWW-LFC Laboratory. Inspection results are stated below.												
1. SKŁAD CHEMICZNY - CHEMICAL COMPOSITION												
Gatunek stopu Alloy grade	Wytłop Heat	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti			
6061	D824	0,74	0,18	0,33	0,05	1,04	0,34	0,06	0,02			
2. WŁASNOŚCI MECHANICZNE - MECHANICAL PROPERTIES												
Nr próby Sample no.	Stan dostawy Temper	Yield (KSI) (kg/cm ²)	Tensile (KSI) (kg/cm ²)	A (%)	A _{50mm} (%)	Twardość Hardness HB	Inne badania Other tests					
139	T8	40,6	48,6		13,5							
3. BADANIA METALOGRAFICZNE - METALLOGRAPHIC TESTS												
Nr próby Sample no.	Struktura Structure											
Powierzchnię i wymiar zbadano Surface and dimensions were checked		ANSI H35-2		Materiał oznaczono Material was marked								
Na podstawie wyżej przeprowadzonych prób materiał zwolniono. According to above mentioned tests, the material has been approved.												
Kontrola Jakości Quality Inspection Unit							Data Date					
		Kierownik Laboratorium Badal Fizykochemicznych mgr inż. Grzegorz MIEROWIEC					24.09.2008					

S
07/09/14

ATS- .750- .058- -D6061 * 175-48777 * 0004997 * BN5071 * 6/19/2007

06/05/2007 From: MARMON/KEYSTONE
M/K OR:
C.P.O.: BN5071
C PART:

INIT.:

To:

OR. REF:
SLSPRS:

KAISER CHANDLER

CERTIFICATION and PHYSICAL TEST RESULTS

CHANDLER PLANT
BOX 5011 8873 W WELLS ROAD
CHANDLER AZ 85226
PH: 602.796.1097
FAX: 602.796.0556
SALES: 602.528.8274

QP 026A

These results are for **MARMON/KEYSTONE CORP**
Mill Number **175-48777.** Purchase Order No **60-28154-001**
Alloy **6061** Temper..... **T6**
Part No, Item No, Commodity No or Inventory No
Size Description. **.750 IN OD X .058 IN WALL**
Specification(s). **WW-T-700/6F ASTM B210-04 AMS 4082N**

Additional procedures as called for on Specification:

WE TAKE EXCEPTION TO PARA. 5.2.1. Per AMS 4082N, WAS NOT OILED. REVISED TEST CERTIFICATE, 06/05/07.

Limits Chemical Composition				Per Aluminum Standards and Data 2003							
MIN	0.40	*	0.15	—	0.8	0.04	—	—	—	Each 0.05	Remainder
MAX	0.8	0.7	0.40	0.15	1.2	0.35	—	0.25	0.15	Total 0.15	
Actuals	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others	Al
	0.64	0.28	0.23	0.03	0.97	0.07		0.02	0.01		
	0.82	0.30	0.19	0.03	0.95	0.08		0.04	0.01		
										Each 0.05	Remainder
										Total 0.15	

* For WW-T-700/4 specification, maximum Si plus Fe is .45%.

** 1100 Alloy Max Si + Fe is 0.95 %

Mechanical Properties		Properties	
Lot #	Temp	Yield PSI	Ultimate PSI
48896 A1 T6		43,400	47,700
48896 B1 T6		43,100	47,100
			Elongation %
			13
			15

Domestic Melt Source Made in USA

We hereby certify that the material covered by this report has been inspected in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description; and that samples representative of the material met the composition limits and had the mechanical properties as indicated.

Date 05/08/2007

Wilfredo A. dela Cruz

Wilfredo A. delaCruz
Sr. Metallurgical Engineer

CertAct

RECEIVED

AT 75.058 734

Marmon/Keystone Canada Inc.**Specialty Steels**

290 Chemin du Tremblay Boucherville QU CAN J4B 5X9
Tel -514-527-9153 232 Wats 1-800-361-8142 FAX -450-641-4357
E-mail: gdulude@mkcdn.com

PAGE.: 1

Date.: 8/27/09

Quotation number.: 1-529970

QUOTATION

Territory: 16A

Telephone: 613 632 9577

Fax.....: 613 632 1053

ATTN.: CHANTAL LAVOIESold To:

DART AEROSPACE LTD
1270 ABERDEEN STREET

Ship To:

DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY

ON CAN K6A 1K7

HAWKESBURY

ON CAN K6A 1K7

Ship Via

EPIC

F.O.B

BOUCHERVILLE

Salesperson

G. Dulude

Your Reference No.Terms

Pricing and delivery are based on the complete bill of Material. Change to quantities or delivery may require a revised quotation.
Pricing and delivery, as quoted, are based on conditions prevailing at the time of quotation and are subject to review at time of order.
Permissible variation in shipping quantities will be to the seller's standard practice. Orders resulting from quotation are subject to our credit approval. The Customer is to supply a written non-cancellable order to accept this quotation.

We thank you for your inquiry and take pleasure in quoting on your requirements as follows:

Quantity	Description	Days ARO	Pricing
Line - 1	STAINLESS STEEL SEAMLESS TUBE ANNEALED AND PICKLED A213/SA213 A.W.		
300 FT	STS .750 .049 F304L stock	1	2.250/FT 675.00
Line - 2	ALUMINUM SMLS TUBE T6 DRAWN B-210		
36 FT	ATS .750 .058 D6061 36' (3 x 12') in stock. Balance of 72': 5/6 days	1	3.250/FT 117.00
Line - 3	ALUMINUM SMLS TUBE T6 DRAWN B-210 ✓		
156 FT	ATS .500 .058 D6061 156' (13 x 12') stock. Balance of 348': 5/6 days	1	2.480/FT 386.88
Line - 4	ALUMINUM SMLS TUBE T6 DRAWN B-210 ✓		
204 FT	ATS .375 .035 D6061 ✓ No stock. Delivery : 5/6 days.	1	1.850/FT 377.40
Please advise, if you place the order, if you want me to proceed with the "balance" written for some items.			
Energy Surcharge			12.20
All applicable taxes Extra. Duty		Total amount..:	1,568.48
All prices quoted in Canadian Dollars unless otherwise stated.		Total weight...:	139.2 lbs



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10296

Purchase Order Date 8/28/09

PO Print Date 8/28/09

Page Number 1 of 2

Order From :

VC-MAR001

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHIERVILLE, QC J4B 5X9
CA

Contact Name

Vendor Phone 800 361 8142

Vendor Fax 450 641 4357

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Rate Nbr

Terms

Currency

FOB

Chantal Lavoie

10137-2607

Net 30

CAD

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304TR0.750W.049	304 RD Tube .750 x .049W	9/02/09 Yes	300.00 f	Epic collect	\$2.2500	\$675.00
		Special Inst: MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING SPEC'S: ASTM A213 OR ASME SA213 OR ASTM A389					
2	M6061T6T0.375W.035	6061-T6 RD Tube .375 x.035W	9/02/09 Yes	204.00 f	Epic collect	\$1.8500	\$377.40
		Special Inst: MATERIAL: 6061-T6 OR 6061-T62 TUBING PER: WW/T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-220/8 OR QQ-A- 225/8 PLEASE SHIP BACK ORDER WHEN READY					
3	M6061T6T0.500W.058	6061-T6 RD Tube .500 x.058W	9/02/09 Yes	500.00 f	Epic collect	\$2.4800	\$1,240.00

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 8/28/09



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10296

Purchase Order Date 8/28/09

PO Print Date 8/28/09

Page Number 2 of 2

Order From :

MARMON/KEYSTONE CANADA LTD.
290 CHEMIN DU TREMBLAY
BOUCHERVILLE, QC J4B 5X9
CA

VC-MAR001

Contact Name

Vendor Phone

800 361 8142

Vendor Fax

450 641 4357

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Rate Nbr

10177.2607

Terms

Net 30

Currency

CAD

FOB

4	M6061T6T0.750W.058	6061-T6 RD Tube .750 X.058W	9/02/09	100.00	Epic collect	\$3.2500	\$325.00
			Yes		f		

PO Total: \$2,617.40

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Thanks!

Y. Giguere
8/28

Change Nbr: 1

Change Date: 8/28/09

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Marmon/Keystone Canada Inc.**Aciers Spécialisés**290, chemin du Tremblay
Boucherville QC J4B 5X9

Téléphone : 514-527-9153

Télec./Fax : 450-641-4357

www.marmonkeystone.com

TÉLÉCOPIE / FACSIMILEDate: 09/10/2009Destinataire/To: Dart Aerospaceattn: Linda LacelleExpéditeur/From: Jeremie GendronTélec. : 1-613-632-5000 1053

Fax:

Confidentialité:

L'INFORMATION CONTENUE DANS CE MESSAGE EST CONFIDENTIELLE, ELLE EST RÉSERVÉE AU SEUL USAGE DU DESTINATAIRE NOMMÉ CI-DESSUS. Toute lecture, copie ou divulgation du contenu de ce message par toute autre personne que le destinataire est strictement défendue. Si vous avez reçu la communication par erreur, veuillez nous en informer immédiatement. Nous vous remercions de votre collaboration.

Confidentiality Notice:

THIS FACSIMILE IS INTENDED SOLELY FOR THE INDIVIDUAL TO WHOM IT IS ADDRESSED AND IS CONFIDENTIAL IN NATURE. Please be advised that any distribution, reproduction or other use of this document by anyone other than the addressee is strictly prohibited. If you have received this communication in error, please notify us immediately. Thank you for your assistance.

Nous transmettons un total de 10 page(s), incluant la page couverture.
Si vous ne recevez pas toutes les pages, veuillez nous contacter immédiatement.

We are transmitting a total number of 10 pages, including this cover sheet.
If you do not receive all pages, please contact us immediately.

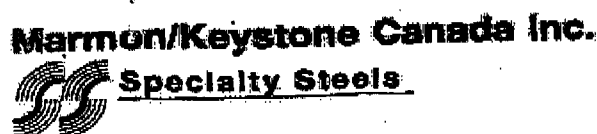
MESSAGE:

Here is the paperwork for your order #10296.

Thank you



Membre des compagnies du Groupe Marmon



PAGE.: 1
 290 Chemin du Tremblay Boucherville J4B 5X9
 TEL (514) 527 9153 FAX (450) 641 4357

Shipping date.....: 09/10/2009
 Name of Carrier....: BPTC
 F.O.B.....: BOUCHERVILLE

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING-EXPRESS SHIPPING CONTRACT ADOPTED BY RAIL FREIGHT AND EXPRESS CARRIERS SUBJECT TO THE JURISDICTION OF THE CANADIAN TRANSPORT COMMISSION ISSUED AT SHIPPER'S REQUEST.

It is mutually agreed, as to each carrier of all or any of said goods over all or any portion of said route to destination, and as to each party at any time interested in all or any of said goods, that every service to be performed hereunder shall be subjected to all the terms and conditions (which are hereby incorporated by reference and have the same force and effect as if the same were fully and specifically set forth herein).

1. approved by the board of transport commission for Canada by General Order No. T-5, dated February 1, 1963 set forth in the Canadian Freight Classification and also available at all railway agency stations and freight offices upon request, when said goods are carried by rail carrier; or
2. of the bill of lading set forth in or prescribed by the relevant tariffs, classification, statutes and regulations motor carrier's services when said goods are carried by a motor carrier; or
3. of the bill of lading form prescribed by the regulations adopted by the order-in-council #986-79 dated April 4, 1979
4. of the Shipping Contract approved by the Board of Transport Commission for Canada by General Order No. T-43 dated September 15, 1967 and set forth in the Express Traffic Association Tariff 100 in effect on the date hereof, when said goods are carried by an express carrier subject to the jurisdiction of the said Board; and which are agreed to by the shipper and accepted for himself and his assign.

Consigned to:

DART AEROSPACE LTD
 1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

Telephone.....: 613 632 5200

Customer order.: 10296

Description of shipments and special marks	Weight	PCS	If charges are to be prepaid write or stamp here:	
Fax all papers to Linda Lacelle 613-632-1053 Mill tests required with all shipment rev:08/08			Collect	
01-ALUMINUM SMLS TUBE ATS .375 .035 D6061 09/10/2009 204 FT Cust. part#: M6061T60.375W.035 Rev: ZZ HT#:521252	9.0	17	Received \$	
02-ALUMINUM SMLS TUBE ATS .750 .058 D6061 09/10/2009 72 FT Cust. part#: M6061T6T0.750W.058 Rev: ZZ HT#:D924	10.7	6	To be applied in prepayment of the charges on the property described hereon.	
03-ALUMINUM SMLS TUBE ATS .500 .058 D6061 09/10/2009 348 FT Cust. part#: M6061T6T0.500W.058 Rev: ZZ HT#:D925	33.1	29	Agent or Cashier.	
04-STAINLESS STEEL SEAMLESS TUBE 304L SMLS TUBE 3/4 X .049 BA213 A.W. A&P STS .750 .049 F304L 09/10/2009 300 FT Cust. part#: M304TR0.750W.049 Rev: S6 HT#:772-3850	110.1	15	Per.	
05-ALUMINUM SMLS TUBE ATS .750 .058 D6061 09/10/2009 36 FT Cust. part#: M6061T6T0.750W.058 Rev: 02 HT#:175-48777	5.3	3	For carrier's use	
06-ALUMINUM SMLS TUBE ATS .500 .058 D6061 09/10/2009 156 FT Cust. part#: M6061T6T0.500W.058 Rev: KA HT#:F00003727	14.8	13	Advance and or beyond \$	
			Misc. \$	
			Suppl. Piece \$	
			Suppl. Value \$	
			Total \$	
			Shipper show amount of C.O.D.	
			Amount \$	
			Fee \$	
			Total \$	
Bdls/Pieces 2 + 0 = 2		Number of extra large pieces.	Total weight 183 LB	Valuation
Dimensions		Where required by tariff shipper must complete the following. Total cubic feet	Dimensional weight	Order number 14470
Shipper		Transport	Customer	

Marmon/Keystone Canada Inc.**Specialty Steels**

PACKING SLIP

290 Chemin du Tremblay
Boucherville QU CAN J4B 5X9
TEL. 514/527-9153
FAX. 450/641-4357

PAGE... 1
Order : 14470
Date... 09/10/2009

SOLD TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

SHIPPED TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

SHIP VIA		F.O.B.		SALESPERSON		YOUR ORDER NO.	
EPIC		BOUCHERVILLE		G. Dulude		10296	
Ordered	Description	Number Pieces	Quantity Shipped	Back Ordered			
01	204 /FT Fax all papers to Linda Lacelle 613-632-1053 Mill tests required with all shipment ALUMINUM SMLS TUBE ATS .375 .035 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.375W.035 HT#.....: 521252 Total...	17 17	204/FT 204/FT	IN			
02	72 /FT ALUMINUM SMLS TUBE ATS .750 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.750W.058 HT#.....: D924 Total...	6 6	72/FT 72/FT	IN			
03	348 /FT ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.500W.058 HT#.....: D925 Total...	29 29	348/FT 348/FT	IN			
04	300 /FT STAINLESS STEEL SEAMLESS TUBE 304L SMLS TUBE 3/4 X .049 SA213 A.W. A&P STS .750 .049 F304L Tariff Number: 7304. Cust. part#: M304TR0.750W.049 HT#.....: 772-3850 Total...	15 15	300/FT 300/FT	IN			
05	36 /FT ALUMINUM SMLS TUBE ATS .750 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.750W.058 HT#.....: 175-48777 Total...	3 3	36/FT 36/FT	IN			
06	156 /FT ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.500W.058 HT#.....: F00003727 Total...	13 13	156/FT 156/FT	IN			

No. of Bcls/Pieces

2 / 0

Total Weight.....

183

Customers.: _____

検査成績表 (MILL CERTIFICATE)

需要家:
(CUSTOMER) MARMON/KEYSTONE CANADA
注文者: 三京物産株式会社
(SUPPLIER) (SANKYO&CO., LTD.)
品名:
(COMMODITY) SEAMLESS STAINLESS STEEL COLD DRAWN TUBE
ASTM/ASME A269/A213/SA213 (A.W.) TP304/304L

三京不銹鋼管(沈陽)有限公司
SANKYO STAINLESS TUBE(SHEN YANG) CO., LTD.
中国・瀋陽市蘇家屯区玖瑰街115号
(NO.115 MEIGUI STREET, SUJIATUN DISTRICT, SHENYANG, P.R. CHINA)

発行日: 2009.03.02
(DATE OF ISSUE)
証明書番号: 09-0178
(CERTIFICATE NO.)
需要家管理番号: P.O.# MN 6115
(CUSTOMER ORDER NO.)

契約番号: S91CA40-B
(CONTRACT NO.)

寸法: 0.750" OD x 0.049" WT x 20' LG
(SIZE)

CASE NO.: 05

製品番号 (Mat. No.) (三京)	ロット番号 (Lot No.)	製造番号 (Mfg. No.) (KST)	検査番号 (Test No.) (JLT)	数量(Quantity)			引張試験(Tension Test)			硬さ試験 (Hardness Test) HRB	結晶粒度 (Grain Size)	～人平試験 (Flattening)	GOOD					
				本数 (No. of Pcs.)	重量 (Weight) kg	延長 (Total Length) m	0.2%耐力 (0.2% Y.S.) MPa	引張り強さ (T.S.) MPa	伸び (E) (%)									
				指定単位(Unit Designated)	本(Pcs.)	kg	m	MPa	MPa					(%)				
規格 (Specification)				最小(Min)	最大(Max)		170	485	35			押し広げ試験 (Flaring)	GOOD					
09-02-008	01		772-3850	42	141		285	595	59.4	68.5		外観寸法試験 (Dimensional Inspection)	GOOD					
09-02-008	03		872-2783	7	24		280	590	60.4	69.2			渦流探傷試験 (Eddy Current)	GOOD				
													顕微鏡試験 (Microscopic)	—				
													炭酸水素ナトリウム試験 (Sodium Bicarbonate Corrosion Test) ASTM A262 PRACTICE E	GOOD				
TOTAL													49	165				
化学成分表 (Chemical Composition) %																		
製品番号 (Mat. No.)	C × 100	Si × 100	Mn × 100	P × 1000	S × 1000	Ni × 100	Cr × 100	Mo × 100	備考(Remarks) SOLUTION HEAT TREATMENT: 1100°C × 2.45Min/W.Q EN-10204-3.1 NACE MR-0175									
最小(Min)						800	1800											
最大(Max)	3.5	100	200	45	30	1200	2000											
872-2783	2.0	38	143	33	12	814	1815											
772-3850	3.0	43	139	31	6	804	1848											

上記注文品は、御指定の規格又は仕様に従って製造されその要求事項を満足していることを証明します。
(IT IS HEREWITH CERTIFIED THAT THE ABOVE MATERIALS ARE SATISFACTORY IN COMPLIANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONTRACT.)

Q.C. Reviewed
2009/03/09

総工務長
(MANAGER OF QUALITY SYSTEM SECTION)

09/10/2009 14:05

450-641-2153

MARMON/KEYSTONE

PAGE 05/10

ATS- 1750- 0058-

-DB0061 * 175-48777 * 0004997 * BN5071 * 6/19/2007

06/05/2007 From: MARMON/KEYSTONE

To:

M/K OR:

INIT.:

OR. REF:

C.P.O. BN5071

SLSPRS:

C PART:

KAISER CHANDLER

CHANDLER PLANT
BOX 3871 8673 W. MILLER ROAD
CHANDLER, AZ 85226
PH: 602.996.1007
FAX: 602.996.4556
E-MAIL: 602.996.4274

**CERTIFICATION and
PHYSICAL TEST RESULTS**

CP 020A

These results are for

MARMON/KEYSTONE CORP

Mill Number

175-48777

Purchase Order No 60-28154-001

Alloy

8061

Temper T6

Part No, Item No, Commodity No or Inventory No

Size Description

.750 IN OD X .058 IN WALL

Specification(s)

WW-T-700/8F ASTM B210-04 AMS 4082N

Additional procedures as called for on Specification:

WE TAKE EXCEPTION TO PARA. 5.2.1. Per AMS 4082N, WAS NOT OILED. REVISED TEST CERTIFICATE, 06/05/07.

Limits	Chemical Composition			Per Aluminum Standards and Data 2003							ES 0.05	Remainder
MIN	0.40	*	0.15	—	0.6	0.04	—	—	—	—	—	—
MAX	0.6	0.7	0.40	0.15	1.2	0.35	—	0.25	0.15	—	Total 0.15	—
Actual	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others	Al	—
	0.64	0.28	0.23	0.03	0.97	0.07	—	0.02	0.01	—	—	—
	0.62	0.30	0.19	0.03	0.95	0.08	—	0.04	0.01	—	—	—
											Each 0.05	Remainder
											Total 0.15	—

* For WW-T-700/8F specification, maximum Si plus Fe is .40%.

** 1100 Alloy Max Si + Fe is 0.05 %

Mechanical Properties		Yield PSI		Ultimate PSI		Elongation %	
Lot #	Temp						
48686 A1 T6		43,400		47,700		13	
48686 B1 T6		43,100		47,100		15	

Domestic Melt Source Made in USA

We hereby certify that the material covered by this report has been inspected in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description; and that samples representative of the material met the composition limits and had the mechanical properties as indicated.

Date 05/08/2007

Wilfredo A. de la Cruz

Wilfredo A. de la Cruz
Sr. Metallurgical Engineer

Car/Ad

AT 75.058 734

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://www.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
8573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: 60-38934		CUSTOMER PART NUMBER: AT/5.058/734		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: 202448	LINE ITEM: 002	SHIP DATE: 08/17/2008	KAISER LOT NUMBER: F00003727	ALLOY: 6061	TEMPER: T6
WEIGHT SHIPPED: 678,000 LB	QUANTITY: 584,000 PCS	S/L NUMBER: 201533	DIAM/ID/THKNS: 	WIDTH: 	LENGTH: 12,000 FT
SHIP TO: MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA			SOLD TO: MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONV IACS	BEND
F00003727	0001	1	43.8	40.2	14.0	N/A	N/A	N/A
F00003727	0002	1	47.7	43.6	16.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Sr	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
R6588	.58	.22	.23	.07	1.02	.08	.02	.02	.00	.00	.00	.01	.01

Applicable Requirements:

Description: OD: 0.500"; Wall: 0.058"; Round @
AMS-4082P ASTM-B210-04 WW-T-700/6F
WE TAKE EXCEPTION TO PARA. 24.3, Per ASTM B 210-04, WAS NOT
OILED. THE FOLLOWING SPECIFICATION HAVE BEEN MADE INACTIVE OR
CANCELLED: MIL-T-7081, WW-T-700F/GEN, WW-T-700/2E, WW-T-700/3F,
WW-T-700/4F, WW-T-700/5E, WW-T-700/6F, WW-T-700/7B.
COMPLIES TO DIN EN 10204 JAN 2005

MARMON / KEYSTONE
Q.C. REVIEWED
DATE 07/09/08
INITIAL JF

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Wilfredo A. de la Cruz, Sr. Metallurgical Engineer

Wilfredo A. de la Cruz

Page 1 of 2

AT 5.058 734

Plant Serial: 00003035

Kaiser Order Number: 202448

Line Item: 002

Q.C. REVIEWED

**KAISER
ALUMINUM**
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

*Best in
Class*

CERTIFIED TEST REPORT
<http://www.KaiserAluminum.com>

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Wilfredo A. delaCruz, Sr. Metallurgical Engineer

Wilfredo A. delaCruz

Plant Serial: 00003035

Kaiser Order Number: 202448

Line Item: 002

Page 2 of 2



Precision Tube Company

A Mueller Industries Company

287 Wissahickon Avenue

North Wales, Pennsylvania 19454

Phone: (215) 698-5601 - Fax: (215) 698-0781

CERTIFICATION AND TEST REPORTS

Control No: 108230

9089 ITEM 4-5	328563	24A037500350030
SOLD TO PRUDENTIAL STAINLESS PIPE L. 130 ESSEX AVENUE EAST AVENEL, NJ 07001	SHIP TO PRUDENTIAL STAINLESS PIPE L. 130 ESSEX AVENUE EAST AVENEL, NJ 07001	

5.004 FT	METAL - 8061 ALUM TEMPER - T8 SPEC - AMS-WW-T-700/6A ASTM-B-210-04 LENGTH - 12 FT LGTH TOL +.1250 IN -.0000 IN SHAPE - ROUND FINISH - STRAIGHT EXACT LENGTHS OD .3750 +.0030 -.0030 ID WALL .0350 +.0020 -.0020	4.872 FT	04/17/09
----------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------	----------

SAMPLE #	TENSILE STRENGTH (P.S.)	YIELD STRENGTH (P.S.)	ELONGATION IN 2 INCHES (%)	ROCKWELL HARDNESS	AVERAGE GRAIN SIZE (MM)
1	46,829	39,916	15		

EXPANSION TEST:
MERCURIOUS NITRATE TEST:
MICRO EXAMINATION:

FLATTENING TEST:
FLARE TEST:

EDDY CURRENT TEST: PASS
HYDROSTATIC PRESSURE TEST:
ULTRASONIC TEST:

ULTRASONIC TEST:											
ALLOY: 8061		HEAT:		TRACEABILITY #: 521252							
RAW MATL VEND: PTY 529 - KAISER ALUMINUM					Other - Elements Al						
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Each	Tot.	Rem.
MIN.	0.40		0.15		0.80	0.04					
MAX.	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	0.05	0.15	

We hereby certify that the foregoing results are correct, that the material complies with the requirements of the above specifications and purchase order and that the test reports represent the actual attributes of the items furnished on this order. During the manufacturing, testing and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employed in a single boundary containment.

BY: Art Onaitis

04/17/09

KEMAK ISO 9001:2000		Świadectwo odbioru 3.1 / Inspection certificate 3.1		08000864808127 PM-EN 10204:2006									
Nr kontroli i zamówienia klienta Order No and date		Zamówienie sprzedaży Sales order		Zamówienie produkcyjne Production order									
PO13254		08001108/40		080009048									
Przedmiot i wytyczne Item and specification		Wymiary lub rysunek Dimensions or drawing		Gatunek stopu Alloy grade									
Drawn tube ASTM B 210 AMS-WW-T-7006		OD: 0.7800" WALL: 0.0500" L: 144"		6061 AlMg1SiCu									
				Wytap Heat									
				D824									
				Zł kg									
				148									
				Szkic Plan									
				R47									
				Stan dostawy Temper									
				T8									
Kontrolę techniczną powyższego zamówienia przeprowadził BWW-LPC Laboratorium. Wyniki badań podano niżej. Technical inspection of above mentioned lot has been carried out by the BWW-LPC Laboratory. Inspection results are stated below.													
1. SKŁAD CHEMICZNY - CHEMICAL COMPOSITION													
Gatunek stopu Alloy grade	Wytap Heat	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti				
6061	D824	0,74	0,18	0,33	0,05	1,04	0,34	0,06	0,02				
2. WŁASNOŚCI MECHANICZNE - MECHANICAL PROPERTIES													
Nr próby Sample no.	Stan dostawy Temper	Yield (KSI) (MPa)	Tensile (KSI) (MPa)	A %	A _{50mm} %	Twardość Hardness HB	Inne badania Other tests						
139	T8	40,6	48,6		13,5								
3. BADANIA METALOGRAFICZNE - METALLOGRAPHIC TESTS													
Nr próby Sample no.	Struktura Structure												
Powierzchnię i wymiar zbadano Surface and dimensions were checked		ANSI H35-2				Materiał oznaczono Material was marked							
Na podstawie wyników przeprowadzonych prób materiał zwalidowano. According to above mentioned tests, the material has been approved.													
Kontrola Jakości Quality Inspection Unit								Data Date					
		Kierownik Laboratorium Badł Ryzykowania mgr inż. Grzegorz HILCOWSKI						24.09.2008					

SEP-08-2009 08:25

SALES FAX

ZNAK ISO 9001:2008		Świadectwo odbioru 3.1 / Inspection certificate 3.1		000000450002T PN-EN 10204:2008									
Nr zamówienia i zamówienia klienta Order No and date		Zamówienie sprzedaży Sales order		Zamówienie produkcyjne Production order									
PO13254		085001108/20		080009045									
Przebieg i wymagania Item and specification		Wymiary i/o rysunek Dimensions or drawing		Gatunek stopu Alloy grade									
Drawn tube ASTM B 210 AMS-WW-T-70008		OD: 0.5000" WALL: 0.0680" L: 144"		6061 AMg1SiCu									
				Wzrost Heat									
				D825									
				kg									
				232									
				448									
				T8									
Kontrola techniczna powyższego zamówienia przeprowadził SWW-LFC Laboratorium. Wyniki badań podane niżej. Technical inspection of above mentioned lot has been carried out by the SWW-LFC Laboratory. Inspection results are stated below.													
1. SKŁAD CHEMICZNY - CHEMICAL COMPOSITION													
Gatunek stopu Alloy grade	Wzrost Heat	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti				
6061	D825	0,76	0,18	0,35	0,05	1,07	0,33	0,08	0,02				
2. WŁASNOŚCI MECHANICZNE - MECHANICAL PROPERTIES													
Nr próby Sample no.	Stan dostawy Temper	Yield [Kgf] [N/mm ²]	Tenile [Kgf] [N/mm ²]	A %	A _{50mm} %	Tworzydło Hardness HB	Inne badania Other tests						
88	T8	41,8	47,8		18,2								
3. BADANIA METALOGRAFICZNE - METALLOGRAPHIC TESTS													
Nr próby Sample no.	Struktura Structure												
Powierzchnie i wymiary sprawdzone Surfaces and dimensions were checked		ANSI H 35-2				Materiał oznaczony Material was marked							
Nie podjęto wyżej wspomnianych prób materiał zwrócono. According to above mentioned tests, the material has been approved.													
Kontrola Jakości Quality Inspection Unit						Data Date							
16		Kierownik Manager				18 10 2008							

%%[SEND]